ALPEN-ADRIA UNIVERSITÄT KLAGENFURT

INVITATION TO THE DOCTORAL SEMINAR

From Kreweras to Gessel: A walk through patterns in the quarter plane

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Chaired by Clemens Heuberger | Department of Mathematics

Wednesday, 19 April 2023 | 11:00–12:00

N.2.35

ABSTRACT

The study of patterns in lattice paths is one of the major research topics within statistics on lattice paths. Several recent articles have developed the vectorial kernel method, which provides a general framework for studying patterns (and pattern avoidance) in directed lattice paths. In this talk I will discuss pattern avoidance in directed lattice paths and some first combinatorial steps towards studying pattern avoidance in the more complex case of the quarter plane, with unexpected links between famous models. This is joint work with Andrei Asinowski and Cyril Banderier.

We hope to see you there!